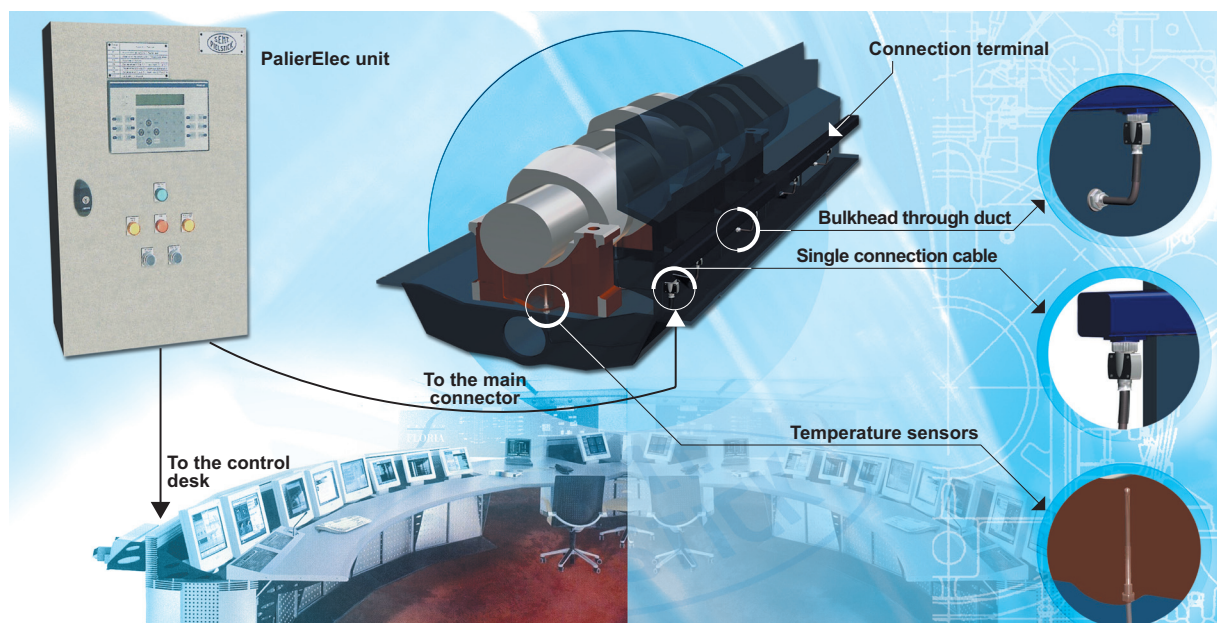


Pielstick Engine

PalierElec



Bearing temperature measuring & monitoring equipment

The system includes :

- A PalierElec unit provided with a programmable automaton connected to an operator terminal.
- Temperature probes for the bearings.
- A connection terminal to which all the probes are connected.
- A single cable between the unit and the connection terminal.

Advantages :

- Simple and quick installation - i.e. no specialized engineers are required.
- Specific design for the engine.
- Possible connection to a computerised monitoring system.
- Increased security and for consequence savings.

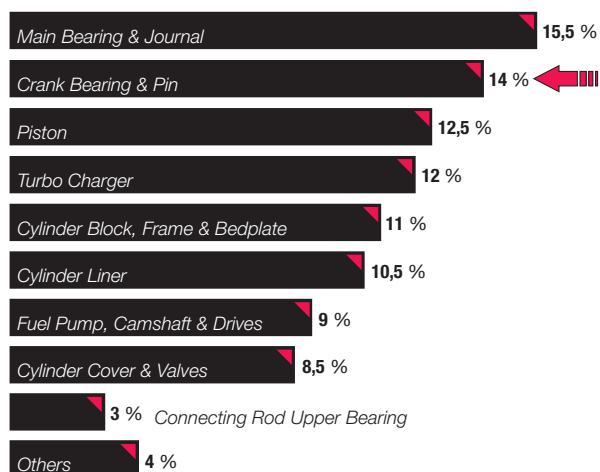
With PalierElec, get double savings :

- An investment representing between 5 to 20% of the cost for the renewal of a crankshaft.
- An availability and reliability of your engines optimized.

Pielstick Engine

PalierElec

PURPOSE OF MONITORING

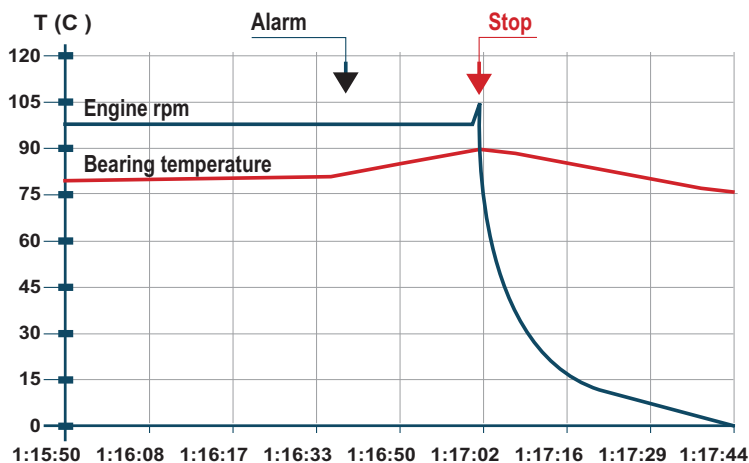


PalierElec prevents serious possible damages to the major components of the engine. DNV statistics (Det Norske Veritas) show that damages to the crankshaft main bearings and pins account for the most engines damages.

Through bearing temperature monitoring in real time the damages listed hereafter can be quickly detected while the engine is running :

- Excessive wear of the bearing shells
- Bearing misalignment
- Detective lubrication

PARAMETER SETTING



The operator terminal ensures displays of the damages and the state of the logical input and output data.

PalierElec can be installed on a **new engine** or as a **retrofit** on all Pielstick V-engines types. **As an additional safety equipment** and together with PCOT connecting rod / crankpin joint monitoring, **PalierElec** is a valuable safety equipment for a full control of crankshaft bearings.

MAN Diesel SAS

PrimeServ

Avenue de Chatonay - Porte 7
BP 427
44615 Saint Nazaire Cédex
FRANCE
Phone +33 2 40 90 65 00
Fax +33 2 40 90 68 98

Copyright© MAN Diesel SAS
Reproduction permitted provided source is given
Subject to modification in the interest of technical progress
PS-2 04/2007

MAN Diesel | PrimeServ - a brand of the MAN Group

